

CLAIMS:

1. A printed circuit board for surface mounting of electrical and/or electronic components such as an SMD antenna with a ceramic substrate and at least one resonant conductor track structure, characterized in that the printed circuit board (4) has a ground metallization (41) substantially surrounding the antenna, and one end of the conductor track structure (20) of the antenna is connected to the ground metallization (41).
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2. An SMD antenna in particular for mounting on a printed circuit board as claimed in claim 1, with a ceramic substrate with at least one resonant track structure, characterized by a first supply lead (16) for connecting one end of a first resonant track structure (20) of the antenna to a ground potential and a second supply lead (17) for coupling
10 an electromagnetic wave to be emitted into the antenna, which first track structure (20) has a plurality of conductor sections (20 to 24), while the length of the conductor track structure is dimensioned so as to excite a desired first resonant frequency (base mode), and the paths and spacings of the conductor sections are chosen such that a first harmonic of the base mode can
15 be excited.
3. An antenna as claimed in claim 2, characterized by a second resonant track structure (30), one end of which is connected to the second supply lead (17) and the length of which is dimensioned so as to excite a desired second resonant frequency and/or its first
20 harmonic.
4. An antenna as claimed in claim 3, characterized in that the spacing between the first and second track structures (20, 30) is chosen such that the resonant frequencies of the antenna can be excited by a combined capacitative and resonant coupling of the
25 electromagnetic wave to be emitted.
5. An antenna as claimed in claim 2 or 3, characterized in that the first and/or second track structure (20, 30) has conductor sections (21 to 25; 32 to 35) of different widths. A telecommunications device with a printed circuit board as claimed in claim 1.

6. A telecommunications device with an antenna as claimed in any one of the claims 2 to 5.